LYNCHBURG REGIONAL AIRPORT
ADDENDUM NO. 3
UPDATE TO SCHEDULE OF UNIT PRICES
FOR
T-Hangar Building Development

Attached with this cover sheet is a revised Schedule of Unit Prices (2 pages) for the T-Hangar Building Development Project at Lynchburg Regional Airport. **The bid due date and time has been changed to Friday April 22, 2005 at 3:00 PM EST.** The revisions include:

1) Correction for the Quantity for Excavation and Embankment – the original Schedule indicated a Square Yard (SY) pay item, this has been updated to Cubic Yards (CY).
2) Pay Items for Specifications Section P-150, Demolition and Removal, have been added to the Schedule of Unit Prices.
3) Pay Item 100-12 Contractor's QC Program was listed twice in the Schedule of Unit Prices, the second listing of this item has been removed.
4) Specification Section P-151, Clearing & Grubbing, does not apply to this contract. There is no work associated with the Specification Section.
5) Item P-156-4.3, Inlet Protection, this quantity has been changed to 1, for protection of the existing 24" end section adjacent to the Contractor's Staging area shown on Sheet 3.
6) Specification Section P-209 – payment for materials adhering to Section P-209 shall be incidental to the associated pay item. No specific pay item for P-209 will apply to this project.

Also included with Addendum No. 3 are revised specification sheets clarifying discrepancies between the Schedule of Unit Prices and pay items listed in the Technical Specifications. In each case, the Technical Specifications have been updated to match the Schedule of Unit Prices.

Contractor's must acknowledge receipt of Addendum No. 3 (10 pages total including this sheet) with the submission of their bids. **The bid due date and time has been changed to Friday April 22, 2005 at 3:00 PM EST.**

LYNCHBURG REGIONAL AIRPORT
PRESTON GLENN FIELD
T-HANGAR BUILDING DEVELOPMENT
C&P Project 0414-01
SCHEDULE OF UNIT PRICES

April, 2005

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY (a)	UNIT PRICE IN NUMBERS (b)	UNIT PRICE IN WORDS	TOTAL DOLLARS IN NUMBERS (a x b)
1	100-12 Contractor Quality Control Program	LS	1			
2	MD-3.1 Mobilization / Demobilization	LS	1			
3	MD-3.2 Performance Bonds & Labor and Materials Payment Bond	LS	1			
4	MD-3.3 Construction and Maintenance of Haul Road	LS	1			
5	BLDG-5.1 12-Unit T-Hangar Building	LS	1			
6	BLDG-5.2 Jet Pod and Restroom Facilities with 60' Electric Bi-Fold Door	LS	1			
7	P-101-5.1 Cold Mill / Recycle Existing Pavement	SY	400			
8	P-150-4.1 Demolish & Remove all Other Misc. Items	LS	1			
9	P-150-4.2 Full Depth Pavement Demolition and Removal	SY	2,700			
10	P-152-4.1 Excavation and Embankment	CY	600			
11	P-152-4.2 Proofrolling/Subgrade Prep.	SY	6950			
12	P-152-4.3 Original and Final Surveys	LS	1			
13	P-152-4.4 Backfill of Unsuitable Excavation	CY	100			
14	P-156-4.1 Temporary Silt Fence	LF	470			
15	P-156-4.2 Temporary Construction Entrance	EA	1			
16	P-156-4.3 Inlet Protection	EA	1			
17	P-156-4.4 Erosion and Sediment Control Bond	LS	1			
18	P-304-6.1 Cement Treated Base Course (6")	SY	6950			
19	P-304-6.2 Portland Cement For Cement Treated Base Course	TON	215			
20	P-BSC-5.1 Asphalt Concrete Mixtures (Superpave) SM-12.5 D	TON	870			
21	P-603-5.1 Bituminous Tack Coat	GAL	900			
22	P-610-5.1 5'X5' Transformer Pad w/ Bollards	LS	1			
23	P-620-5.1 Pavement Markings (Yellow)	SF	475			
24	D-701-5.1 8" Dual Wall HDPE Drainage Pipe	LF	85			
25	D-701-5.2 24" Dual Wall HDPE Drainage Pipe	LF	90			

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T-HANGAR BUILDING DEVELOPMENT
C&P Project 0414-01
SCHEDULE OF UNIT PRICES

April, 2005

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY (a)	UNIT PRICE IN NUMBERS (b)	UNIT PRICE IN WORDS	TOTAL DOLLARS IN NUMBERS (a x b)
26	D-701-5.3 24" HDPE End Section	EA	1			
27	D-701-5.4 Trench Drain	LF	435			
28	S-802-5.1 6" SDR 26 PVC Sanitary Sewer Pipe	LF	60			
29	S-802-5.2 4" SDR 26 PVC Sanitary Sewer Pipe	LF	300			
30	S-802-5.3 4" Sch. 40 PVC Sanitary Sewer Pipe	LF	180			
31	W-100-5.1 6" DIP Waterline	LF	450			
32	W-100-5.2 1-1/2" Copper Type K Waterline	LF	190			
33	W-100-5.3 Water Meter Installation for 1-1/2" Waterline	EA	2			
34	W-100-5.4 Fire Hydrant w/ Bollards	EA	1			
35	16115-5.1 1-way 2" Rigid Metal Conduit	LF	175			
36	16115-5.1 1-way 4" Rigid Metal Conduit	LF	40			
37	F-162 Chain Link Fences and Gates	LF	130			
38	T-901-5.1 Permanent Seeding and Mulching	MSF	4			
39	T-901-5.2 Temporary Seeding & Mulching	MSF	2			

BID SUBMITTED BY: _____ (Contractor Name)
Prices shall include the furnishing of labor, material where specified, excavation, installation, laying jointing, connecting, backfilling, testing and all incidental work called for in the Contract Documents. Unit prices shall be shown in both words and figures. In case of discrepancy, the amount in words will govern.

TOTAL OF BID ITEMS FOR BASE BID (1-39):

WRITTEN IN NUMBERS: _____

WRITTEN IN WORDS: _____

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY (a)	UNIT PRICE IN NUMBERS (b)	UNIT PRICE IN WORDS	TOTAL DOLLARS IN NUMBERS (a x b)
	Add Alternate #1:					
1	BLDG-5.1 Jet Pod and Restroom Facilities with 60' Hydroswing Door	LS	1			

TOTAL OF BID ITEMS FOR ADD ALTERNATE # 1 ONLY:

WRITTEN IN NUMBERS: _____

WRITTEN IN WORDS: _____

ITEM BLDG - T-HANGAR BUILDING REQUIREMENTS

ball bearings.

BLDG-2.15 PLANS AND SUBMITTALS The contractor shall provide the anchor layout plan and column reactions sealed by a professional engineer registered in the State of Virginia.

a. The contractor shall supply motors, mechanisms and switches for bi-fold doors. The contractor shall also furnish all electrical items as indicated on the drawings and all incidental items necessary to install an electrical system that meets the building and electrical codes of the City of Lynchburg, Virginia.

b. Foundation reactions shall be furnished by the Contractor. Design of floors and foundation shall be the responsibility of the Engineer, unless the contractor elects to use a different structure than the Erect-A-Tube Model shown, if an approved equal is utilized, then the Contractor will be responsible for providing a foundation design and layout for the proposed structure and have these drawings sealed by professional engineer registered in the State of Virginia.

CONSTRUCTION METHODS

BLDG-3.1 GENERAL The Contractor shall furnish all labor, materials, testing and services necessary for, and incidental to, the completion of all work as shown on the drawings and specified herein. All machinery and equipment owned or controlled by the Contractor, which he proposes to use on the work, shall be of sufficient size to meet the requirements of the work, and shall be such as to produce satisfactory work; all work shall be subject to the inspection and approval of the Engineer. The Contractor shall erect the structures and install all materials as specified by the manufacturers and in accordance with all the building and electrical codes of the City of Lynchburg, Virginia.

METHOD OF MEASUREMENT

BLDG-4.1 Building and Accessories, Erection, and Electrical Systems shall be measured on a lump sum basis supplied, installed, and accepted t-hangar structures including supplying all materials, erection, installation of all electrical items, gutters, doors, signs, obtaining all permits, and all other incidental items.

BASIS OF PAYMENT

BLDG-5.1 Payment shall be made on a pro-rated basis allowing for partial payments for the phasing of the work as it applies to supplied, installed, and accepted t-hangar structures. Payment shall be full compensation for all labor, materials, tools, equipment, and incidentals required to complete the work as specified herein and on the drawings including supplying all materials, erection, installation of all electrical items, doors, signs, obtaining all permits, and all other incidental items.

Payment will be made under:

BLDG-5.1	12 Unit T-Hangar Building - lump sum
BLDG-5.2	Jet Pod & Restroom Facilities with 60' Electric Bi-Fold Door - lump sum

ITEM P-152 EXCAVATION AND EMBANKMENT

compaction requirements for the #57 aggregate backfill nor will there be any additional payment for the removal and replacement operation.

152-2.11 TOPSOIL. No direct payment will be made for topsoil as such under Item P-152. The quantity removed and placed directly or stockpiled shall be incidental to excavation and embankment. No payment will be made for rehandling the topsoil or for removing topsoil in areas of embankment.

METHOD OF MEASUREMENT

152-3.1 There shall be no measurement for this item. All work associated for this item shall be incidental to the lump sum costs of "Excavation and Embankment". Measurement of backfill of unsuitable material excavation shall be made by the average end area method described above. The Engineer will direct the surface areas and the depth of excavation to be removed. Following excavation operations, the area will be cross sectioned as described above and the volume of material removed will represent the volume of backfill paid for under this item.

BASIS OF PAYMENT

152-4.1 Payment shall be made on a lump sum basis for "Excavation and Embankment". This price shall be full compensation for furnishing all materials, labor, equipment, tools, quality control testing and incidentals necessary to complete the item.

152-4.2 Payment shall be made at the contract unit price per square yard for "Proofrolling and Subgrade Preparation" and shall be full compensation for furnishing all materials, labor and equipment necessary to complete the item.

152-4.3 Payment for the original and final surveys shall be full compensation for providing the information as detailed in Section 152-3.1.

152-4.4 Payment shall be made at the contract unit price per cubic yard for "Backfill of Unsuitable Excavation". This price shall be full compensation for furnishing all materials, labor, equipment, tools, quality control testing and incidentals necessary to complete the item.

Payment will be made under:

P-152-4.1	Excavation and Embankment - per cubic yard
P-152-4.2	Proofrolling / Subgrade Preparation - per square yard
P-152-4.3	Original and Final Surveys - per lump sum
P-152-4.4	Backfill of Unsuitable Excavation - per cubic yard

TESTS AND SHORT TITLE

ASTM D 698 Tests for Moisture-Density Relations of Soils and Soil-Aggregate Mixtures, Using 5.5 pound (2.5 kg) Rammer and 12 inch (300 mm) Drop

ASTM D 1556 Tests for Density of Soil In-Place by the Sand Cone Method

ASTM D 1557 Tests for Moisture-Density Relations of Soils and Soil-Aggregate Mixtures, Using 10 Pound (4.5 kg) Rammer and 18 inch (45 mg) Drop

ASTM D 2167 Test for Density of Soil In-Place by the Rubber Balloon Method

ITEM F-162 CHAIN LINK FENCES AND GATES

The Engineer shall indicate the location of all electrical grounds on the plans. Grounding may not be necessary with the use of composite posts.

METHOD OF MEASUREMENT

162-4.1 Chain-link fence will be measured for payment by the linear foot (meter). Measurement will be along the top of the fence from center to center of end posts, excluding the length occupied by gate openings.
Gates will be measured as complete units.

BASIS OF PAYMENT

162-5.1 Payment for chain-link fence stream crossing will be made at the contract unit price per lump sum.
The price shall be full compensation for furnishing all materials, and for all preparation, erection, and installation of these materials, and for all labor equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

Item F-162-5.1	8' High Security Fence W/3 Strands of Barbed Wire - per linear foot

MATERIAL REQUIREMENTS

ASTM A 121 Zinc-Coated (Galvanized) Steel Barbed Wire

ASTM A 123 Zinc (Hot Galvanized) Coatings on Products Fabricated from Rolled, Pressed, and Forged Steel Shapes, Plates, Bars, and Strip

ASTM A 153 Zinc Coating (Hot-Dip) on Iron and Steel Hardware

ASTM A 392 Zinc-Coated Steel Chain-Link Fence Fabric

ASTM A 446 Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Structural (Physical) Quality

ASTM A 491 Aluminum-Coated Steel Chain-Link Fence Fabric

ASTM A 569 Steel, Carbon (0.15 Maximum, Percent), Hot Rolled Sheet and Strip Commercial Quality

ASTM A 570 Hot-Rolled Carbon Steel Sheet and Strip Structural Quality

ASTM A 572 High-Strength Low-Alloy Columbium-Vanadium Steels of Structural Quality

ASTM A 585 Aluminum-Coated Steel Barbed Wire

ASTM A 824 Metallic-Coated Steel Marcelled Tension Wire for Use With Chain Link Fence

ASTM B 117 Standard Test Method of Salt Spray (Fog) Testing

ITEM D-701 PIPE FOR STORM DRAINS AND CULVERTS

d. Vitrified Clay Pipe. Fittings for vitrified clay pipe shall conform to the requirements of ASTM C 700. Materials for compression joints shall conform to the requirements of ASTM C 425.

701-3.5 BACKFILLING. Pipes shall be inspected before any backfill is placed; any pipes found to be out of alignment, unduly settled, or damaged shall be removed and relaid or replaced at the Contractor's expense.

Material for backfill shall be fine, readily compatible soil, or granular material selected from the excavation or a source of the Contractor's choosing. It shall not contain frozen lumps, stones that would be retained on a 2 inch (50.0 mm) sieve, chunks of highly plastic clay, or other objectionable material. No less than 95 percent of a granular backfill material shall pass through a 1/2 inch (12 mm) sieve, and no less than 95 percent of it shall be retained on a No. 4 (4.75 mm) sieve.

When the top of the pipe is even with or below the top of the trench, the backfill shall be compacted in layers not exceeding 6 inches (150 mm) on both sides of the pipe and shall be brought up one foot (30 cm) above the top of the pipe or to natural ground level, whichever is greater. Care shall be exercised to thoroughly compact the backfill material under the haunches of the pipe. Material shall be brought up evenly on both sides of the pipe.

When the top of the pipe is above the top of the trench, the backfill shall be compacted in layers not exceeding 6 inches (150 mm) and shall be brought up evenly on both sides of the pipe to 1 foot (30 cm) above the top of the pipe. The width of backfill on each side of the pipe for the portion above the top of the trench shall be equal to twice the pipe's diameter of 12 feet (3.5 m), whichever is less.

For PVC and polyethylene pipe, the backfill shall be placed in two stages; first to the top of the pipe and then at least 12 inches (300 mm) over the top of the pipe. The backfill material shall meet the requirements of paragraph 701-3.2c.

All backfill shall be compacted to the density required under Item P-152.

METHOD OF MEASUREMENT

701-4.1 The length of pipe shall be measured in linear feet of pipe in place, completed, and approved. It shall be measured along the centerline of the pipe from end or inside face of structure to the end or inside face of structure, whichever is applicable. The several classes, types and size shall be measured separately. All fittings shall be included in the footage as typical pipe sections in the pipe being measured.

BASIS OF PAYMENT

701-5.1 Payment will be made at the contract unit price per linear foot for each kind of pipe of the type and size designated. These prices shall fully compensate the Contractor for furnishing all materials and for all preparation, excavation, and installation of these materials; and for all labor, equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

Item 701-5.1	8" Dual Wall HDPE Drainage Pipe - per linear foot
Item 701-5.2	24" Dual Wall HDPE Drainage Pipe - per linear foot
Item 701-5.3	24" HDPE End Section - per each
Item 701-5.4	Trench Drain - per linear foot

MATERIAL REQUIREMENTS

Item BSC-5.1	Permanent Bituminous Surface Course for Airfields, SM-12.5D (3” new and 2” min for varying depth) - per square yard

END OF SECTION BSC

ITEM P-610 STRUCTURAL PORTLAND CEMENT CONCRETE

supplied and accepted including placing, finishing, curing, subgrade preparation, footing excavation, acceptance sampling and testing, and all other incidental items.

610-4.2 This item shall be measured per each for concrete wheel stop supplied and accepted including placing, finishing, curing, subgrade preparation, footing excavation, acceptance sampling and testing, and all other incidental items.

BASIS OF PAYMENT

610-5.1 Payment shall be made at the contract unit price per lump sum. This price shall be full compensation for furnishing all materials, labor, equipment, tools, quality control and incidentals necessary to complete the bollards.

610-5.2 Payment shall be made at the contract unit price per each. This price shall be full compensation for furnishing all materials, labor, equipment, tools, quality control and incidentals necessary to complete the concrete wheel stop.

Payment will be made under:

Item P-610-5.1 5' x 5' Transformer Pad w/Bollards - per lump sum

TESTING REQUIREMENTS

ASTM C 31 Making and Curing Test Specimens in the Field

ASTM C 39 Compressive Strength of Cylindrical Concrete Specimens

ASTM C 136 Sieve or Screen Analysis of Fine and Coarse Aggregate

ASTM C 138 Unit Weight, Yield, and Air Content of Concrete

ASTM C 143 Slump of Portland Cement Concrete

ASTM C 231 Air Content of Freshly Mixed Concrete by the Pressure Method

MATERIAL REQUIREMENTS

ASTM A 184 Specification for Fabricated Deformed Steel Bar Mats for Concrete Reinforcement

ASTM A 185 Welded Steel Wire Fabric for Concrete Reinforcement

ASTM A 497 Specification for Welded Deformed Steel Wire Fabric for Concrete Pavement

ASTM A 615 Deformed and Plain Billet Steel Bars for Concrete Reinforcement

ASTM C 33 Concrete Aggregates

ITEM 16115 - UNDERGROUND DUCTS, MANHOLES

B. Conduit not being concrete encased shall be Schedule 80 PVC.

METHOD OF MEASUREMENT

16115-4.1 The quantity of underground duct to be paid for under this item shall be the number of linear feet of duct installed, measured in place, completed, and accepted. Separate measurement shall be made for the various types and sizes.

BASIS FOR PAYMENT

16115-5.1 Payment will be made at the contract unit price for each type and size of single-way or multi-way duct or handhole. This price shall be full compensation for furnishing all materials and for all saw-cutting excavation and ground rods, trenching, concrete or sand bedding, backfilling, duct markers, surface restoration (pavement or gravel restoration), if required, and preparation, assembly and installation of those materials and for all labor, equipment, tools and incidentals necessary to complete this item. The price for installation of new conduits or ducts shall include the field survey to be performed prior to performing the new installation in order to locate the new routing. This shall also include the connection of existing or new conduit/duct to new handholes or to existing ducts. The price for the new handhole shall include, in addition to all of the above, the cost involved with the connection of existing or new ducts to the new handholes as shown on the Drawings, including all the incidentals necessary to complete the installation.

Payment will be made under:

16115-5.1	1-way 2 inch Rigid Metal Conduit - per linear foot
16115-5.2	1-way 4 inch Rigid Metal Conduit - per linear foot

END OF SECTION 16115